

immobile
PartsSentinel™
DoD Parts Track & Trace System
DoD RFID Mandate Compliant
www.imobilesystems.com

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imobile systems

- Founders have over 60 years of IT, Telecom and Public Safety Hardware & Software Experience
- PartsSentinel™ is imobile's Flagship Offer
- Based on Department of Justice XML Data Dictionary & Scheme (Property & Evidence)
- 4 Man-Years Developing our JAVA Based System & Middleware
- RFIDSentinel™ Asset Tracker Developed Over Last 3 Years; core of our Security Product Offers
- XML, JAVA, & Mobility Development Expertise
- System Integration and Custom Development Services

imobile™ Solutions

- PartsSentinel™ Hosted (ASP) or Integrated (Enterprise) Web Services Solution Using Open Source or Legacy SQL Databases
- DoDRFIDLabels.com™ Web Service requires no on-site RFID equipment. Both RFID and non-RFID MSL's IAW MIL-STD 129P Change 3
- Development based on EvidenceSentinel™ Public Safety “Chain-of-Custody” Software
- Part “Pedigree” Maintained Throughout the Distribution Chain by Use of Overt & Covert UID/RFID
- OS and Hardware Platform Independent

Public Safety Tie-In

Linked for a Reason



EvidenceSentinelTM

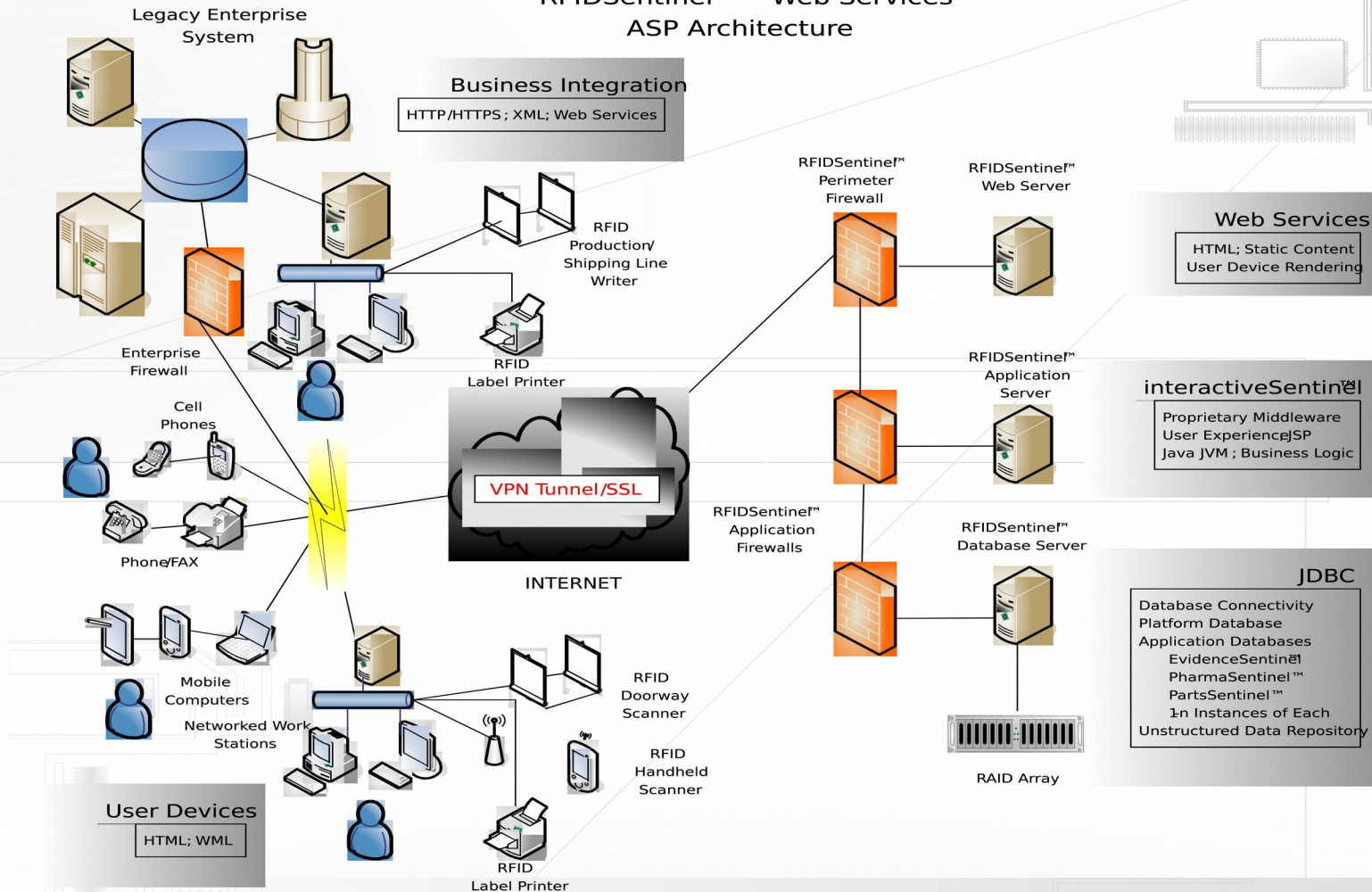


PartsSentinelTM

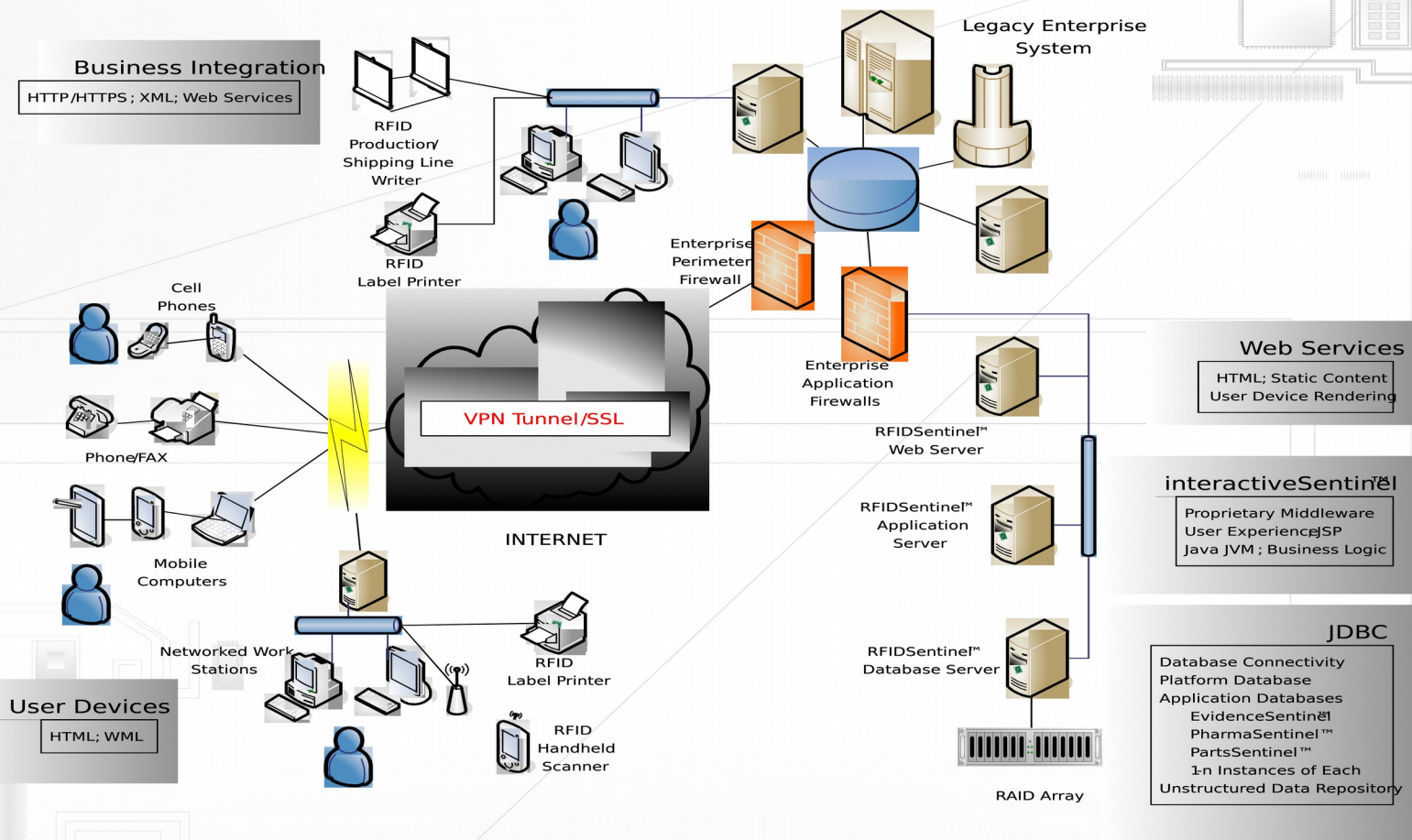
Total Web Services Solution

- PartsSentinel™ is a Turn-Key System
 - Secure Hosted Solution – Triple Firewalled
 - Integrated Solution for Legacy Systems
 - Rules Based JAVA Middleware Engine
 - Operating System & Database Independent
 - Individual Encrypted Databases
 - Multiple Auto ID Technologies Supported: Bar-Code inc. UID (Data Matrix), RFID
 - RFID DataWarehouse™ Event Tracker

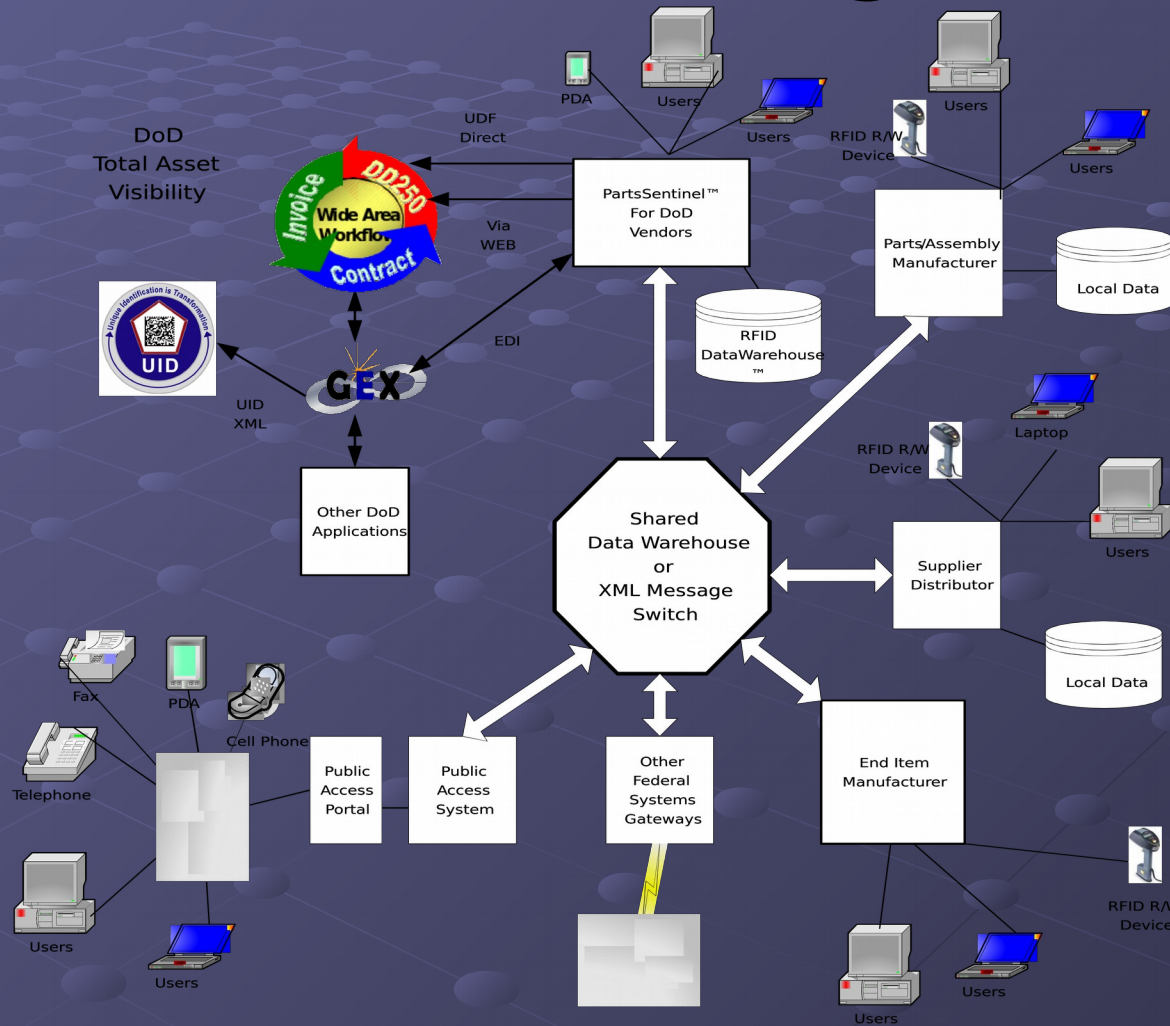
RFIDSentinel™ Web Services ASP Architecture



RFIDSentinel™ Web Services Legacy Integration Architecture



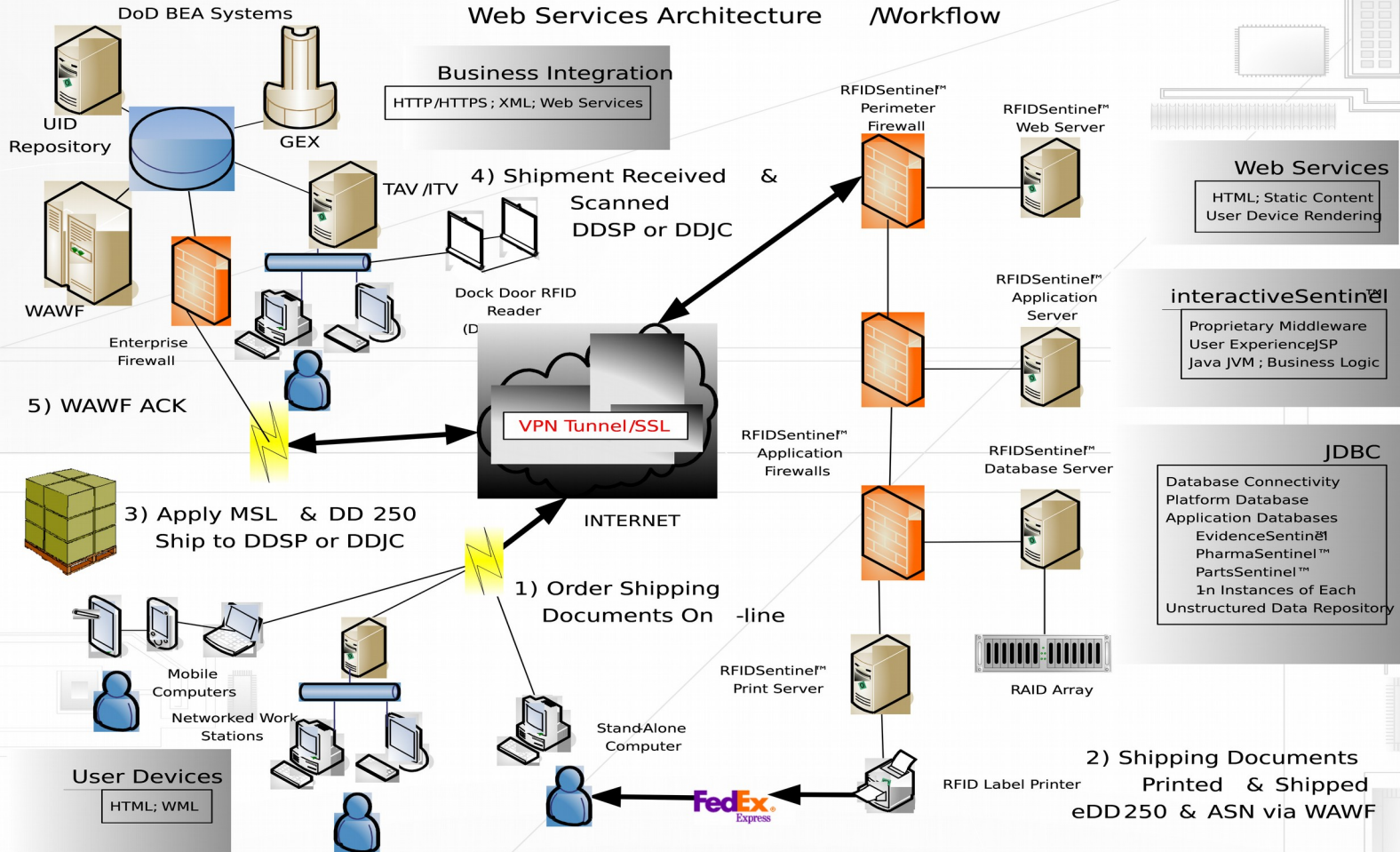
PartsSentinel™ Logical View



DoDRFIDLabels.com

- Low Cost Solution for Low Volume Shippers (Large or Small Suppliers)
- On-Line Credit Card Web Service
- Three Levels of Service
 - Level 1 – RFID MSL+DD250+856/WAWF
 - Level 2 – Level 1+ UID Filing via 856/WAWF
 - Level 3 – Level 2+ Pre-Pop of CLIN+ Contract Data+ 2 Years Data Storage
- Priority Mail Ship or Optional Express
- Cost Effective for ~3 Shipments/Week

DoD RFID Labels .com™ Web Services Architecture /Workflow



SynthoSmart™ RFID



● Radio Frequency Identification (RFID)

- ISO, EPCglobal™, FAA (ATA) & DoD Standards
- 13.56MHz to 2.4MHz Frequency; DoD 915MHz MSL
- Unique Number for Each Silicon Chip
- EPC/DoD Format Replaces UPC Code
- Non-Line-of-Sight Reading (Read/Write)
- Synthetic Face-Stock; Mechanical Buffering; ESD Protection
- Can be Applied to Wood, Cardboard or Plastic
- >10 Year Life

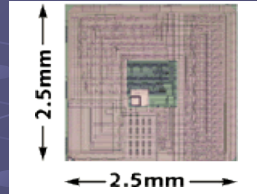
SynthoSmart Plus™ RFID



● RFID on Metal Surfaces

- ISO, EPCglobal™, FAA (ATA) & DoD Standards
- 13.56MHz and 915MHz Tags on Metal
- Unique Number for Each Silicon Chip
- EPC or DoD Formatted
- Non-Line-of-Sight Reading (Read/Write)
- Comes in Various Form Factors
- About 70-80% of Normal Read Range when Applied Directly onto Metal
- >10 Year Life

MetalSentinel™



● Radio Frequency Identification (RFID)

- Antenna on the Chip (0.10" Square)
- 13.56 MHz Frequency
- Unique Number for Each Silicon Chip
- Proprietary Format Adds to Use in Security
- Encrypted Data (up to 4KB Memory size)
- Short Range/Contact Reading (Read/Write)
- Can be Embedded onto or into Metal or Plastic
- >10 Year Life
- Best Use for Covert Tracking & Pedigree

Data Matrix ID



● Data Matrix ID

- 2D Bar Code Technology
- Approved by FAA, ATA Spec2000 & DoD (UID)
- Various Application Methods
 - Pin Marking
 - Laser
 - Chemical Etch
 - Magnetic Particles
- Applies Directly to Parts Including Metal
- Optical Line-of-Sight Reading (Read-Only)
- Laser/Magnetic Reading Below Painted Parts
- 30% Error Rate (Can Be Read with Partial Symbol)
- Best Used for Covert Tracking & Pedigree

PartsSentinel™

Don't Compromise Your
DoD Contract

Call Today 360-554-4203

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